

**ENGINEERING CHANGE NOTICE**  
**DART AEROSPACE LTD**

*MPP*

Date: 08.09.16	Job No.: 00569	ADR Yes/No: N	ADR Date:	ECN #: 08- 533
Product No.: D350-591	Created By: <i>AJS</i>	Approved By: <i>MPP</i>		
Product Name: ACCESS STEP	Checked By: <i>PH</i>	General Manager Approval:		

Distribution	Reqd	Resp	Initial / Date
Production Manager	Y	LL	
Production Engineering Coord	Y	EC/DD	
Production Document Control	Y	<del>EC/DD</del>	
Customer Technical Support	Y	DS	

Distribution	Reqd	Resp	Initial / Date
DQA / QA Coord	Y	SS	
QC Coordinator	N		
Marketing	Y	SW	
Customer Order Processing	N		

Reason for Change: EUROCOPTER REQUEST NCR 08-082

Documents Affected:  
DSI 9410 REV B

PARTS MUST COMPLY ☒ PREVIOUS PARTS SATISFACTORY ☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	Y	SS		
3					

#	Engineering Actions	Reqd	Resp	Notes	Complete
4	Required Documents/Drawings Under Review	N	KJ	SUPERCEDE	08.09.17 <i>JS</i>
5	Update Product Compatability Matrix	N			
6	Create Eurocopter Form (FEE)	N			
7	Notify TC / FAA of Change	N			

#	Document Control Actions	Reqd	Resp	Notes	Complete
8	Move Electronic Files	Y	KJ		08.09.17 <i>JS</i>
9	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ		08.09.17 <i>JS</i>
10	Update Controlled PDF Files	Y	KJ		08.09.17 <i>JS</i>
11	Update Master Document List (MDL)	N			
12	Update Document Record (DR) <i>Rev 0</i>	Y	KJ		08.09.17 <i>JS</i>
13	Update Product Development Summary	N			
14	Update QSI 021 and/or STC Approval List	N			
15	Update Parts / STC Database	N			
16	Update / Verify ARC Database	N			
17	Create / Update Change Record Form	N			
18	Create / Update PPP's	N			
19	Update Document Control Database / Laminated Dwgs	N			
20	Update Grey Project Binder	N	<del>KJ</del>		
21	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		08.09.17 <i>JS</i>
22					
23					

Description / Action:  
RELEASE DSI 9410 REV. B

D350-591-311 (11 IN STOCK, 35 IN Prod, (10)B40912, (10)B41280, (10)B41357, (5)B41653)

D350-591-312 (11 IN STOCK, 35 IN Prod, (10)B40793, (10)B40913, (10)B41281, (5)B41654)

*made separate estimates for eurocopter*

*est # 13560*  
*est # 13561*

*A 08.09.04*

ECN Verified & Complete: \_\_\_\_\_ Date: \_\_\_\_\_

# DART SERVICE INSTRUCTION

TO AMEND DRAWING D350-591 REV. F

REF. CANADIAN STC: SH92-6

FAA STC: SH967NE

TO IMPROVE THE FIT OF THE D350-591-311/-312 STEPS, IT IS ACCEPTABLE TO INSTALL THE DSI 9410-011 KIT. INSTALL THE D2732-030 CUSHION (AFT CROSSTUBE ) AND D3595-200-300 CUSHION (FWD CROSSTUBE) AS SHOWN IN FIGURE 1 IN PLACE OF THE D2856-400-720 ABRASION STRIP CALLED OUT ON DRAWING D350-591 REV. F.

FOR CUSTOMERS WHO HAVE PREVIOUSLY INSTALLED D2856-400-720 ABRASION STRIPS REMOVE THE ABRASION STRIPS IN ACCORDANCE WITH ICA-D350-591. PRIOR TO INSTALLING THE DSI 9410-011 KIT.

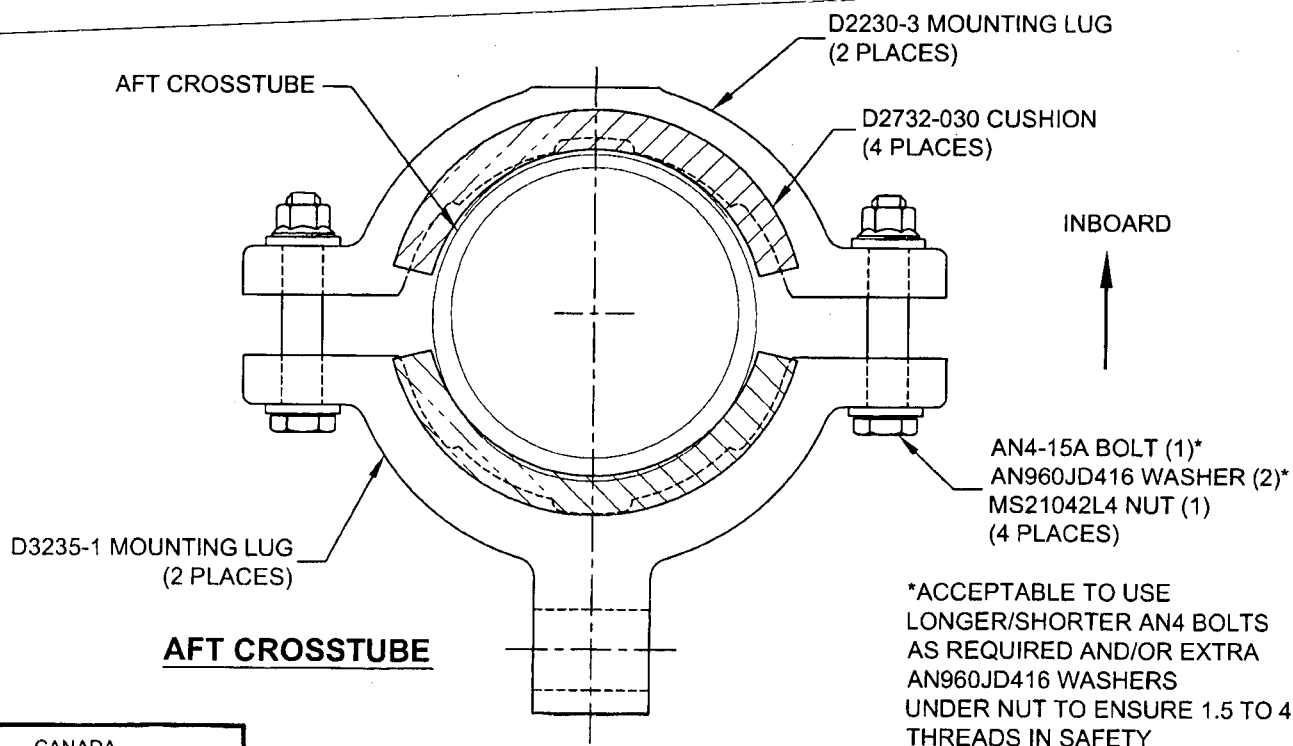
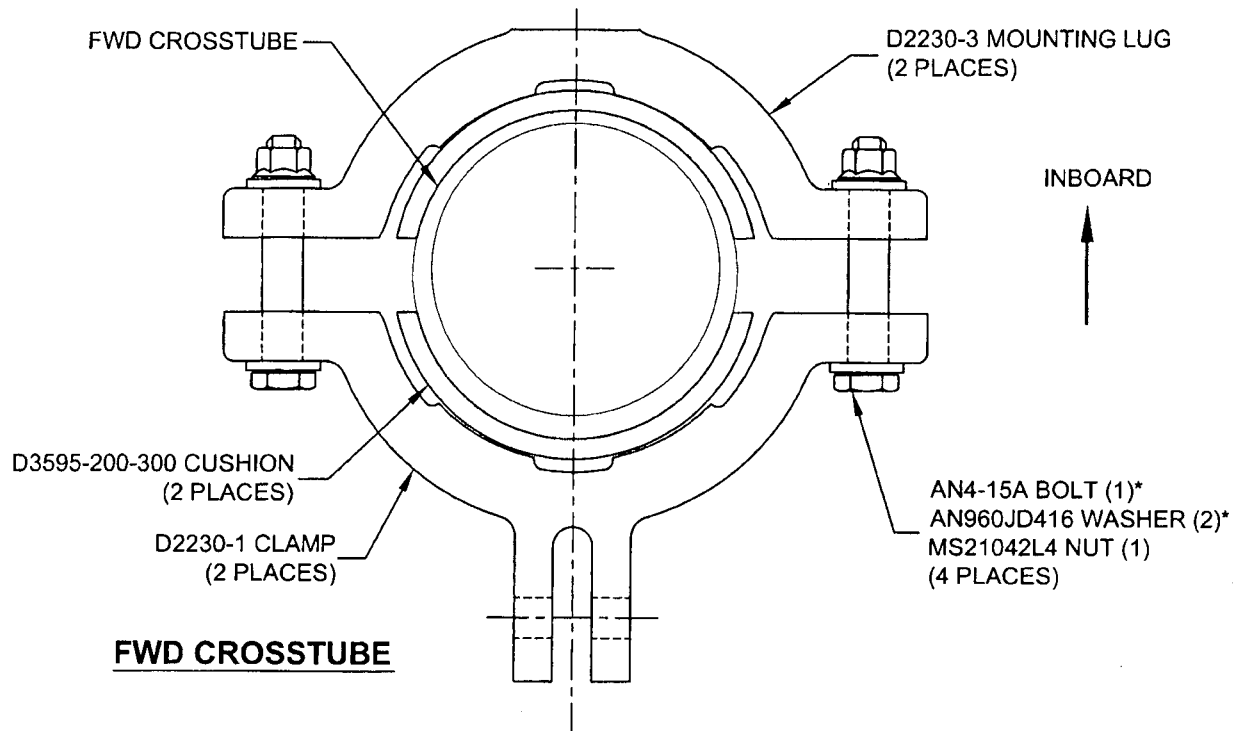
DSI-9410-011-KITS WILL BE INCLUDED WITH D350-591-311/-312 STEPS AT CHANGE 002 AND SUBSEQUENT.

QTY -041	PART NUMBER	DESCRIPTION
X	DSI 9410-011	STEP MODIFICATION KIT
4	D2732-030	CUSHION
2	D3595-200-300	CUSHION
8	AN4-15A	BOLT
16	AN960JD416	WASHER
8	MS21042L4	NUT (OR MS21042-4)

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01
APPROVED 
BY: D. SHEPHERD (DE # 02)
DATE: 08.09.08
CERT. NO.: SH92-6
ISSUE NO.: 10

B	SHEET 1 DELETE REVISED P/L. (SEPERATE DSI KIT FROM MAIN KIT SEE NCR 08-082 FOR DETAILS)	AJS	08.09.08
A	NEW ISSUE	PH	08.03.27
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	J	DRAWING NO.	REV. B
MFG. APPR.	N/A	DSI 9410	SHEET 1 OF 2
APPROVED	AP	TITLE	SCALE
DE APPR.	PH	STEP MODIFICATION KIT	NTS
DATE	08.09.08	COPYRIGHT © 2008 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	





**FIGURE 1 - CLAMP/CUSHION INSTALLATION**

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
BY: *[Signature]*  
D. SHEPHERD (DE # 02)

DATE: 08.09.08  
CERT. NO.: SH92-6  
ISSUE NO.: 10

DESIGN	<i>ASIS</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>ASIS</i>		
CHECKED	<i>[Signature]</i>	DRAWING NO. DSI 9410	REV. B
MFG. APPR.	N/A	SHEET 2 OF 2	
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	STEP MODIFICATION KIT	NTS
DATE	08.09.08	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



## Susanne Sheldon

---

**From:** Susanne Sheldon [ssheldon@dartaero.com]  
**Sent:** September 4, 2008 2:41 PM  
**To:** 'Noue, Arnaud'  
**Cc:** 'Bonnefoy, Remi'; 'Lhermenault, Rodolphe'; 'Giraud, Christian'; 'Linnemann, Ulrich'; 'Tardy, Bertrand'  
**Subject:** RE: FEE 09 --> marchepieds Dart

Dear M. Noue,

Please cancel Fiche Evolution Equipment (FEE) 09.

This is to confirm that we will deliver the D350-591-311 and D350-591-312 Heli Access Steps at CHG001 which is the definition previously agreed upon.

We will ensure that sufficient bolts are supplied at no charge for the last shipment in August 2008.

We now understand why you have not been able to accept this evolution and apologize for any inconvenience this has caused you.

---

**Susanne Sheldon, Eng. CMA**

*Director Quality Assurance*

**Dart Aerospace Ltd.**

Tel: 613-632-5200

Fax: 613-632-5246

---

**From:** Noue, Arnaud [mailto:Arnaud.Noue@eurocopter.com]  
**Sent:** September 3, 2008 12:16 PM  
**To:** ssheldon@dartaero.com  
**Cc:** Bonnefoy, Remi; Lhermenault, Rodolphe; Giraud, Christian; Linnemann, Ulrich; Tardy, Bertrand  
**Subject:** FEE 09 --> marchepieds Dart

Dear Miss Sheldon,

First let me introduce myself to you: I am Arnaud Noué, Supplier Quality Manager, working in EC Marignane (France). I am working within the Pascale De Tourris Dept (Airframe and optional), namely in charge of DART. I write you this e-mail concerning a Fiche Evolution Equipement related to a modification to a Heli Access Step (attached to this e-mail) we received.

Indeed, you supply us with a modification project, leading to impacts on several topics (interchangeability, perhaps maintenance actions, etc...)

You project to make a modification with an amendment evolution, keeping the same Part Number, which is difficult for us to manage (due to the impacts).

Before accepting this modification, EC has to check several points. It is not obvious that we can accept this FEE as such. We will certainly have to make some modifications on the FEE before we can be able to accept it (according to our configuration management process, validated by our European Authority).

In the meantime, we would like you to confirm us that, until the EC acceptance of this FEE, you will go on delivering us the boarding step at the definition we agreed upon previously.

23/09/2008

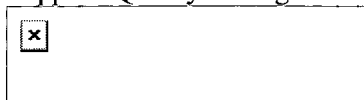
It is fundamental for us. Please, can you confirm it to me ?

I thank you a lot in advance for your response.

Best regards.

PS: I took the responsibility to send you (again ?) by mail all the Eurocopter requirements you might need for our contract. All the processes are described. Don't hesitate to contact me in case you would need some clarification.

**Arnaud Noué**  
**EDPXA**  
Supplier Quality Manager



☎: +33(0)4-42-85-73-35

📠: +33(0)4-42-85-72-22

[arnaud.noue@eurocopter.com](mailto:arnaud.noue@eurocopter.com)

---

No virus found in this incoming message.

Checked by AVG.

Version: 7.5.524 / Virus Database: 270.6.16/1651 - Release Date: 04/09/2008 6:57 AM

No virus found in this outgoing message.

Checked by AVG.

Version: 7.5.524 / Virus Database: 270.6.16/1651 - Release Date: 04/09/2008 6:57 AM

23/09/2008

